

ABSTRACT

A DEVICE FOR CONTROLLING AN ELECTRONICALLY SWITCHED MOTOR
BY MEANS OF A POSITION SIGNAL

5 The invention relates to a device for controlling an electronically switched motor comprising:

- a coder (2) comprising a main multipole track (2a) and a so-called "revolution pip" multipole track (2b);
- a fixed sensor (3) delivering two digital position signals (A, B) and one revolution pip signal (C);
- 10 - a circuit for switching the currents in the phase windings of the motor which comprises $2 \cdot P \cdot N$ switches;
- a control circuit for the switching circuit which is able to supply the switching signals for the switches which correspond to the state of the logic determined by the
15 revolution pip signal (C) or by the position signals (A, B).

The invention also relates to a bearing and a motor equipped with such a device, as well as a method for controlling such a motor.

Figure 3.